

HORNET HERALD

Northern giant hornet stakeholder update



Washington
State Department of
Agriculture

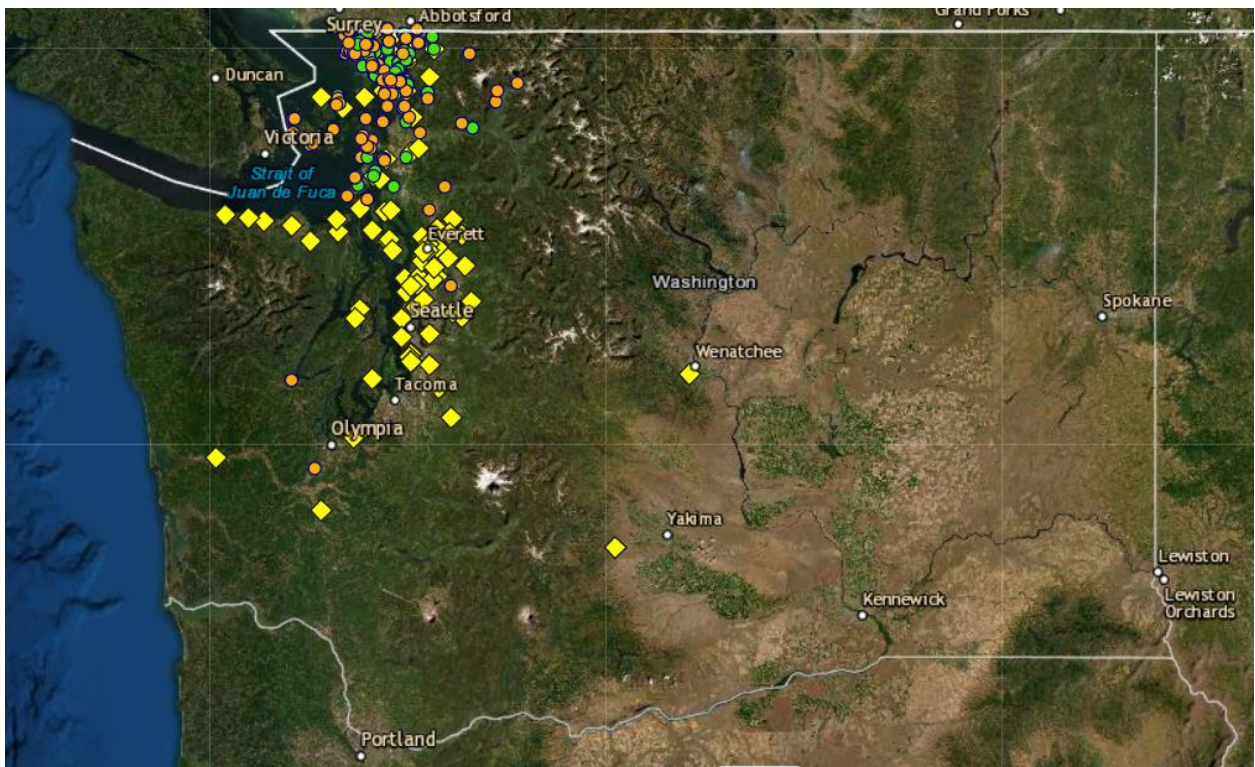
NORTHERN GIANT HORNET STAKEHOLDER UPDATE #22.10 – November 8, 2022

TRAPPING UPDATES

Citizen Scientist Trapping

Washington residents are almost done trapping for the 2022 season! Since July, community members have checked and baited bottle traps weekly to help monitor for northern giant hornets. Trapping will wrap up at the end of November. The map below shows traps from beekeepers, organizations, and individuals who registered over 380 traps with WSDA.

A survey evaluation will hit your inbox next month. If you participated, be ready give us your feedback for the season!



Map of citizen traps registered with WSDA.

WSDA Trapping

WSDA will continue to service and monitor over 880 traps in Whatcom County through November. No hornets have been detected in 2022.

HORNETS ACROSS THE GLOBE PART 3 BLOG

WSDA returned to Korea to continue working with Dr. Choi at Kyungpook University to better understand hornets foraging and migration behavior. A large part of this year was spent learning and installing equipment. However, preliminary experiments still generated hundreds of thousands of data points from four separate experiments. The data will be analyzed, and experiments repeated next season.

Other highlights of the trip included removing wild nests using Korean-style hornet suits. Hornet feces were brought back to WSDA for analysis. We also acquired hornet specimens from “hornet hunters” across the county. Finally, our collaborators in Korea have been conducting trap trials comparing different lures.

Do you want to see more pictures of the experiments? Are you interested in learning what the hornet frass and specimens will be used for? Click [here](#) to read the full blog and see more pictures.



UPCOMING EVENTS

Whatcom Land Trust Presentation

Whatcom Land Trust hosted a presentation with WSDA on Thursday November 4 at 4 pm. The presentation will cover the hornets biology and eradication efforts. Participants will learn how to build traps and view nest pieces from Whatcom County.

The Wildlife Society's 29th Annual Conference

The Annual Conference is November 6 – 10 in Spokane Washington. WSDA will have a booth with hornet specimens and will be educating attendees about the Pest Program. [Click here to learn more about the conference.](#)

2022 ESA, ESC, and ESBC Joint Annual Meeting

The Joint Annual Meeting is November 13-16, 2022 at the Vancouver Convention Centre in Vancouver, British Columbia. WSDA entomologists and collaborating scientists will be sharing research on the northern giant hornet and the yellow-legged hornet, a species currently invading Europe and parts of Asia which could be introduced to North America:

Sunday, November 13 at 1:30 pm PT - A ddPCR assay for indirect detection of *Vespa mandarina* (Hymenoptera: Vespidae) from biological trace evidence.

Sunday, November 13 at 3:15 pm PT – Insights into the prey of *Vespa mandarina* (Hymenoptera: Vespidae) in Washington state, obtained from metabarcoding of larval feces.

Tuesday, November 13 at 9:00 am PT – Nidus *Vespae* built by an invasive alien hornet, *Vespa velutina nigrithorax*, inhibits adipose tissue expansion in high-fat diet-induced obese mice.

Tuesday, November 13 at 9:00 am PT – Genetic and morphological variation of *Vespa velutina nigrithorax* which is an invasive species in a mountainous area.

Tuesday, November 13 at 4:30 pm PT – Giants in America: Population genomics of the invasive hornet *Vespa mandarinia*.

Wednesday, November 16 at 9:00 am PT – Description of four *Vespa mandarinia* (Hymenoptera: Vespidae) nests collected in Washington State, USA

[Click here to learn more about the meeting.](#)

REPORT SUSPECTED SIGHTINGS

It is still important to be on the lookout for northern giant hornets. A detection is helpful whether the specimen is dead or alive. In 2020 WSDA found a hornet carcass inside a lantern-style electric yard light. The same week a live hornet was seen visiting a paper wasp nest. If you suspect to see a hornet, snap a picture, and report it to WSDA.



NEW DETECTIONS

There have been no confirmed detections of Northern giant hornet reported to WSDA in 2022.

Update from Canada

There have been no confirmed sightings in British Columbia. The public is encouraged to report potential sightings. Additionally, Canada will continue to monitor traps through November.

STAY CONNECTED

WSDA is dedicated to working with the public to provide information on Northern giant hornets.

- View [past news releases, blogs, and Pest Program updates](#) about Northern giant hornet.
- Join the [Northern giant hornet Facebook group](#).
- Join the [Pest Program email listserv](#).
- Follow WSDA on [Facebook](#), [Instagram](#), [YouTube](#), and [Twitter](#).

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